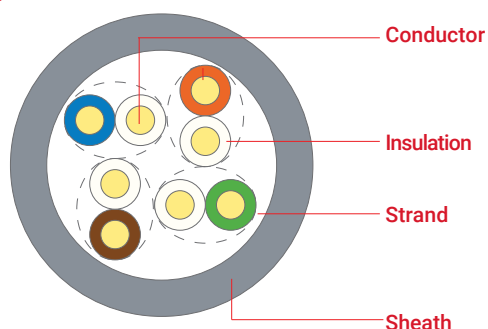




Cable structure



Electrolytic copper wire, Ø 0.50 mm (PDH)
Tinned copper wire, Ø 0.50 mm (PDH-K)

HDPE, in compliance with IEC 60708 insulation colour coding
80°C, EN 50290-2-23
Double stranding up to 10 pairs,
10 pairs 5 quad (bundle),
Core is produced by bundling >10 pairs
LSZH/LSOH - RAL 7001 Grey
70°C EN 50290-2-27, HM2 DIN VDE 0207-24

Application

PE, Polyethylene insulated and HFFR, Halogen Free sheathed cable range is used as telephone cables in fixed interior installations in dry or wet areas. Used in telephone switchboards and subscriber distribution networks. Cables are composed of halogen-free materials (flame retardant materials that do not emit toxic gas or black dense smoke that lowers visibility). They are primarily used in highly populated areas that should have fire resistance.

Specifications

Temperature range		-30°C ...+70°C
Bending radius	min.	10 x D
Conductor resistance	max.	97.8 Ω/km
Insulation resistance	min.	5000 MΩ x km
Capacitance	max.	56 nF/km
Capacity imbalance		
Test voltage		400 pF/500 m
Operating voltage	max.	1000 V
		250 V

Standards TSE K 116, IEC 60708, IEC 60189-2

Fire performance

Vertical flame propagation EN 60332-1-2
Corrosive gas EN 60754-1/2
Smoke density EN 61034-2

EU declaration of conformity

LVD Low Voltage Directive 2014/35/EU
RoHS Restriction of Hazardous Substances 2011/65/EU

PDH					
Product code	Cable structure	Diameter [mm]	Copper weight [kg/km]	Cable weight [kg/km]	
402018	1x2x0.50 mm+0.50 mm	3.0	5	13	
402019	2x2x0.50 mm+0.50 mm	4.1	9	20	
402020	3x2x0.50 mm+0.50 mm	4.3	12	25	
402021	4x2x0.50 mm+0.50 mm	4.7	16	31	
402022	5x2x0.50 mm+0.50 mm	5.1	19	36	
402023	6x2x0.50 mm+0.50 mm	5.7	23	44	
402025	10x2x0.50 mm+0.50 mm	6.7	37	64	
402027	20x2x0.50 mm+0.50 mm	9.3	72	123	
402029	30x2x0.50 mm+0.50 mm	10.9	108	176	
402031	50x2x0.50 mm+0.50 mm	13.7	178	280	
402032	100x2x0.50 mm+0.50 mm	18.7	362	536	

PDH-K (Tinned)					
Product code	Cable structure	Diameter [mm]	Copper weight [kg/km]	Cable weight [kg/km]	
404018	1x2x0.50 mm+0.50 mm	3.0	5	13	
404019	2x2x0.50 mm+0.50 mm	4.1	9	20	
404020	3x2x0.50 mm+0.50 mm	4.3	12	25	
404021	4x2x0.50 mm+0.50 mm	4.7	16	31	
404022	5x2x0.50 mm+0.50 mm	5.1	19	36	
404023	6x2x0.50 mm+0.50 mm	5.7	23	44	
404025	10x2x0.50 mm+0.50 mm	6.7	37	64	
404027	20x2x0.50 mm+0.50 mm	9.3	72	123	
404029	30x2x0.50 mm+0.50 mm	10.9	108	176	
404031	50x2x0.50 mm+0.50 mm	13.7	178	280	
404032	100x2x0.50 mm+0.50 mm	18.7	362	536	

Specifications may vary depending on technical modifications.